

Appl. No. 10/720,919

Amdt. dated February 22, 2008

Reply to Office action of January 23, 2008

Amendments to the Specification:

On Page 1, please replace Line 1 with --APPARATUS ~~AND METHOD~~ FOR IRRIGATING CONTAINER-GROWN PLANTS--

Please replace Page 7, Line 16 to Page 8, Line 3 with --Adding Figure 2 to the consideration, tray vertical pipe 158 is connected to tray flexible hose 161. Tray flexible hose is connected to ~~positive pressure ball~~ vacuum shut off valve 168. Vacuum shut off valve 168 is connected to plant tray 170. Vacuum shut off valve 168 acts under positive pressure from the centrifugal pump 112 to allow water to flow on to the plant tray 170. When under vacuum from venturi vacuum pump 134, the vacuum shut off valve 168 allows water to flow freely from the plant tray 170 back to the flexible hose 161 through the drain system 103, until there is no water remaining on the plant tray 170. When no water remains, the vacuum shut off valve 168 closes, thereby maintaining the vacuum in the drain system 103.--

On Page 9, please replace Lines 2 to 5 with --Adding Figure 4 to the consideration, water flows through tray flexible hose 161 into ~~positive pressure ball~~ vacuum shut off valve 168 and then into the plant tray 170. In this fashion, water to each plant tray 170 is ~~controlled~~ controlled.--